



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : E 10317
Product Name : EDTA DIPOTASSIUM SALT

Manufacturer/supplier identification

Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Ethylene dinitrilo tetra acetic acid di potassium salt,

Titriplex III di potassium salt

CAS-No : 25102-12-9 EC-Index No. : -----

Molar Mass : 404.47 gm/mol EC-No. : 217-895-0

Molecular Formula : $C_{10}H_{14}K_2N_2O_8 \cdot 2H_2O$

3. HAZARDS INDEX : No hazardous product as specified in Directive 67/548/EEC

4. FIRST AID MEASURES : After inhalation : Fresh air. Consult doctor if feeling unwell. After skin contact : Wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with water with the eyelid held wide open.



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After swallowing : Make victim drink plenty of water, induce vomiting, call in physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, foam, powder

Special risks : Combustible. Formation of hazardous combustion gases or vapours possible in event of fire.

The following may develop in event of fire : Nitrogen oxides

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

Other information : Contain escaping vapours with water, Prevent fire-fighting water from entering surface water or groundwater.

6. ACCIDENTAL RELEASE MEASURES

Person - related precautionary measures : Avoid generation of dusts;
do not inhalation of dusts.

Environmental-protection measures : Do not allow to enter sewerage system.

Procedures for cleaning/absorption : Take up dry. Forward for disposal.
Clean up affected area.

7. HANDLING AND STORAGE : Handling - No further requirements.

Storage - Tightly closed. Dry. At +15° C to +25° C.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : required when dust are generated.

Eye Protection : required

Hand Protection :

In full contact :

Glove material : Nitrile rubber

Layer thickness : 0.11 mm

Breakthrough time : >480 Min.

In splash contact :

Glove material : Nitrile rubber

Layer thickness : 0.11 mm

Breakthrough time : >480 Min.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374, for example KCL 740 Dermatril (full contact), 740 Dermatril (splash contact). The breakthrough times stated above were determined by KCL in Laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in/mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of EC-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet : www.kel.de).

Industrial hygiene : Change contaminated clothing. Wash hands after working with substance.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid
Colour : White
Odour : Odourless
pH value at 50 g/l H₂O(20 °C) : 4 - 5
Melting temperature : 272 °C
Boiling temperature : Not applicable (decomposition)
Ignition temperature : Not available
Flash Point : Not available
Explosion limit lower : Not available
upper : Not available
Vapour pressure : Low
Density : Not available
Bulk Density : ~310 kg/m³
Solubility in Water (20 °C) : Soluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : Strong heating(decomposition)
Substances to be avoided : Not known to date aluminium, nickel, zinc, copper, copper alloys.
Hazardous decomposition products : In the event of fire : See chapter 5.
Further information : Releases water of crystallization when heated.



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11. TOXICOLOGICAL INFORMATION

Acute toxicity :

Quantitative data on the toxicity of product are not available.

Subacute to chronic toxicity :

Property's which must be anticipated by analogy :

No mutagenic properties suspected.

Sensitization possible in predisposed persons.

Further toxicological information :

After skin contact : Slight irritation symptoms.

After eye contact : Slight irritation symptoms.

After swallowing of large amounts :

Damage of : Kidneys.

Further data : The product should be handled with the care usual
when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Property's which must be anticipated by analogy :

Slightly Biodegradable : Slightly eliminable (DOC reduction <20%).

Ecotoxic effects : Biological effects :

Fish toxicity : *P. reticulata* LC₅₀: ~320 mg/l./96 h

Bacterial toxicity : bacteria EC₅₀: ~400 mg/l./3 h

Further ecologic data : Do not allow to enter waters, waste water,
or soil !



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13. DISPOSAL METHOD

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled. There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION : Not subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : ----
R-phrases : ----
S-phrases : ----

16. OTHER INFORMATION

Reason for alteration :

Chapter 11 : toxicological information.

Chapter 12 : ecological information.



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General update.

Regional representation : This information is given on the authorised
Safety Data Sheet for your country.

The information contained herein is based on the present state of our knowledge.
It characterises the product with regard to the appropriate safety precautions. It
does not represent a guarantee of the properties of the product.
